Beam Power Tube

7-PIN MINIATURE TYPE With Heater Having Controlled Warm-Up Time

GENERAL DATA

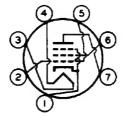
Electrical:

Heater, for Unipotential Cathode:	1.
Voltage (AC or DC)	volts
Current 0.1 ± 6%	amp
Warm-up time (Average) 20	sec
Direct Interelectrode Capacitances	
(Approx.):a	
Grid No.1 to plate 0.6	μμf
Grid No.1 to cathode & grid No.3,	• •
grid No.2, and heater	μμf
Plate to cathode & grid No.3,	, ,
grid No.2, and heater 6	_{uu} f
J	μμ.

Mechanical:

Operating Position Any
Maximum Overall Length
Maximum Seated Length 2-3/8"
Length, Base Seat to Bulb Top (Excluding tip) 2" ± 3/32"
Diameter 0.650" to 0.750"
Dimensional Outline See General Section
Bulb
Base Small-Button Miniature 7-Pin (JEDEC No.E7-1)
Basing Designation for BOTTOM VIEW 7CV

Pin 1- Cathode, Grid No.3 Pin 2- Grid No.1 Pin 3- Heater



Pin 4-Heater Pin 5-Grid No.1 Pin 6-Grid No.2 Pin 7-Plate

AMPLIFIER - Class A

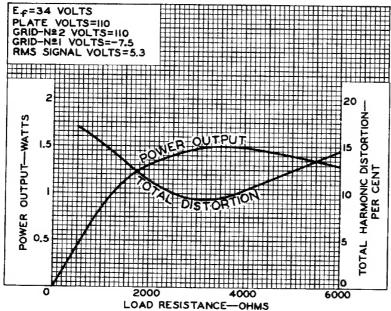
Maximum Ratings, Design-Maximum Values:

PLATE VOLTAGE	150		volts
GRID-No.2 (SCREEN-GRID) VOLTAGE	130	max.	volts
GRID-No.1 (CONTROL-GRID) VOLTAGE:			_
Negative-bias value	50	max.	volts
Positive-bias value	0	max.	volts
GRID-No. 2 INPUT	1.1	max.	watts
PLATE DISSIPATION	5	max.	watts
PEAK HEATER-CATHODE VOLTAGE:			
Heater negative with respect to cathode .	200	max.	volts
Heater positive with respect to cathode .	200 b	max.	volts
BULB TEMPERATURE (At hottest point			
on bulb surface)	250	max.	oC

Typical Operation and Charac	cteristics:	
Plate Voltage	110 volts 110 volts 110 volts 110 volts 17.5 volts 18.5 ma 18.5 ma 18.6 ma 18.6 ma 18.7 ma 18.7 ma 18.7 ma 18.7 ma 18.7 ma 18.7 ma 19.7 ma 19	(
Maximum Circuit Values: Grid-No.1-Circuit Resistance For fixed-bias operation. For cathode-bias operation.	e:	

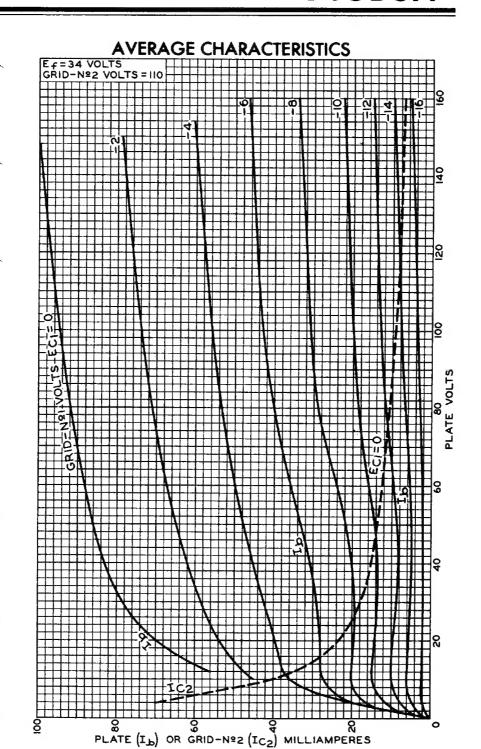
a Without external shield.

OPERATION CHARACTERISTICS



92CS-10780

b The dc component must not exceed 100 volts.



92CM-10779